

MATERIAL STANDARD

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DATE: July 8, 1985

REV: May 1, 2002

COPPER PIPE AND TUBE**1. Scope**

This specification covers purchase and delivery f.o.b. the specified City of Seattle warehouse, of seamless copper pipe and tube suitable for electrical work.

2. Applicable Specifications

Material shall be supplied under the provisions of, and meet the physical and electrical requirements of, ASTM B188, "Seamless Copper Pipe and Tube," latest revision, except as modified herein.

3. City Light Standard Items

Copper bus pipe and tube used by the City Light Department will be ordered on the basis of this specification. Certain sizes and types of pipe and tube will be selected as standard stock items, and will be defined in a City Light Material Catalog description containing reference to this specification.

4. Basis of Purchase

Request for bids on the basis of this specification will include the following information:

- (a) dimension and form
- (b) temper
- (c) total length of each size

5. Material

- 5.1 Material shall be C10200, C10300, C10400, C10500, C10700, C11000, C11300, C11400, C11600, or high conductivity C12000 copper (latest revision).
- 5.2 Pipe shall be hard drawn. Tube shall be hard tempered or annealed, as specified in the request for bids.
- 5.3 Pipe shall conform to sizes known as Standard Pipe Sizes, except when specified.

6. Testing and Certification

Material supplied under this specification shall have been tested in accordance with ASTM Specification B188, latest revision, and shall have satisfied all test requirements. The optional bend tests specified therein are required on all pipe.

7. Inspection

Should it be necessary to send a City inspector to observe any manufacturing or testing process, the supplier shall afford the inspector all reasonable facilities, without charge, to complete his inspection.

8. Packing and Marking

Packing and marking for shipment shall be in accordance with ASTM Specification B188, latest revision.

ORIGINATOR	STANDARDS COORDINATOR	STANDARDS SUPERVISOR	UNIT DIRECTOR
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MATERIAL STANDARD**9. Rejection**

Failure of all or part of a shipment of material to comply with this specification shall be grounds for rejection of all or part of the shipment, or the supplier may be required to replace the rejected material.

Stock Unit: FT

PIPE, SEAMLESS, HARD DRAWN
(Conductivity over 96.6% IACS)

Stock Number	SPS Nominal Inches	Strength	Purchase Length Ft.	O.D. Nominal Inches	I.D. Inches	Wall Thickness Inches	Unit Wt. Nominal Lb/Ft.
630505	3/4	Regular	20	1.050	0.822	0.114	1.30
630507	1-1/4	Regular	20	1.660	1.368	0.146	2.69
630508	1-1/2	Regular	20	1.900	1.600	0.150	3.20
630509	2	Regular	20	2.375	2.062	0.156	4.22
*	2-1/2	Regular	20	2.875	2.500	0.187	6.12
*	3	Regular	20	3.500	3.062	0.219	8.75
*	3-1/2	Regular	20	4.000	3.500	0.250	11.40
*	4	Regular	20	4.500	4.000	0.250	12.90

*Not normally stocked.